

“Advancing Traffic Efficiency and Safety
through Software Technology”

Adoption of EAST-ADL2 and the Future

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ATESST partners secure adoption of EAST-ADL2

- Partners are representative from *the automotive industry*
- Several dissemination measures
 - establishment of the *web-site atesst.org*
 - industrial conferences and journal publications
 - creation of an *interest group*, organization of workshops
 - Influencing automotive standardization committees (*AUTOSAR*)
- Connections to several *EU networks* of excellence/concerted
 - opportunities to disseminate information and gather feed-back.

Transfer from R&D to industrial context

- A open choice for workbench : ***Open Source***
- easy transfer from R&D activity to industrial context
- easy dissemination of results and demonstrator as public information
- exploitation facilitated for tool vendors companies.

Adoption of EAST-ADL2 by MeMVaTEx

MeMVaTEx – Modeling Methods for Validation and Traceability of software Requirement

Duration 01.01.2006 – 01.06.2009

- **Countries involved: France**
- **Coordination: Continental Automotive France**
- **Project partners: Commissariat a l'Energie Atomique,
Institut National de Recherche en Informatique et en Automatique
Université Technologique de Compiègne - HEUDIASyC
Monditech SA**

Adoption of EAST-ADL2 by EDONA

EDONA – Open Development Framework for Automotive Standard

- **Countries involved: France**
- **Coordination: Renault SA**
- **Project partners: PSA Peugeot Citroen**
Continental Automotive France
Delphi France
Johnson Controls Automotive Electronics
Visteon Software Technologies
Thales Research and Technology
Esterel Technologies
Sherpa Engineering
GeenSyS
Monditech SA, Intempora, OBEO, Knowledge Inside
Commissariat a l'Energie Atomique
Institut National de Recherche en Informatique et en Automatique
Supélec
Polytechnique
Armines

Adoption of EAST-ADL2 by TIMMO

TIMMO - Timing Model (ITEA 2 project)

- **Duration 01.04.2007 - 30.09.2009**
- **Countries involved: Austria, Germany, Sweden**
- **Coordination: Continental AG**
- **Project partners: Audi Electronics Venture GmbH,
Chalmers University, Continental AG,
ETAS GmbH, Paderborn University,
Robert Bosch GmbH, Syntavision GmbH,
TTTech Computertechnik AG,
Volkswagen AG, Volvo Technology AB,
and ZF Friedrichshafen AG**

Adoption of EAST-ADL2 in the ATESSST2 project

In the ATESSST2 project (STREP FP7), the EAST-ADL2 modeling approach will be further extended and new results will be provided to support development and V&V of cooperative active safety systems.

- **Duration 01.07.2008 - 30.06.2010**
- **Countries involved: France, Germany, Hungary, Italy, Sweden, and UK.**
- **Coordination: Volvo Technology Corporation**
- **Project partner** Volkswagen/Carmeq Gmbh,
Centro Ricerche Fiat S.C.p.A.
Volvo Technology Corporation,
Continental AG, Delphi/Mecel AB,
Mentor Graphics Hungary KFT,
Commissariat a l'Energie Atomique,
Kungliga Tekniska Högskolan
Technische Universitaet Berlin,
and University of Hull

Proposal for Adoption of EAST-ADL2 in CESAR

CESAR is a project proposal from the EICOSE platform part of the ARTEMIS initiative dedicated to critical embedded systems.

- **Duration ~ 01.01.2009 - 30.12.2011**
- **Countries involved: France, Germany, ...**
- **Coordination: N.N.**
- **Project partner TBD**

Future challenges for successful adoption of EAST-ADL2

- Define a **methodology guidelines** connected to the language, As EAST-ADL2 is process related
- Align the language to available **de-facto standards** such as AADL, SysML and MARTE, and enlarge impact and best practice on embedded system
- Adaptation of UML tools toward **domain specific** tool support required for industry adoption.
- Make all stakeholders **aware of the obvious advantages** with successful adoption of EAST-ADL2 (relation OEMs/TiersX)

Advantages with successful adoption of EAST-ADL2

- Modeling with EAST-ADL2 **facilitates reuse and sharing** of Electrical and Electronic components, which lowers the costs, improves quality, and shortens the lead time in development.
- **Centralizing the information** to common development models using EAST-ADL2 improves coordination between sites, improving lead time and product quality.
- Modeling a complete system with EAST-ADL2 early in projects **facilitates dialogue** in-between customers and engineers, which ensures that the **right requirements** are set from all brands.